

Friday, March 25, 2011  
7:51 AM

## On-call

- Friday: Morgan
- Saturday: Al
- Sunday: Tony
- Monday/Tuesday: DVM
- Wed/Thurs: Vladimir

## AntiHydrogen Studies

- Were able to open A:BV862
- Foil was moved into the halo of the beam
- Beam blown up by backing off on the cooling and heating the beam with the dampers.
- No data events have been observed as of Friday morning (would have expected about 6 events)
- Will run the experiment until Monday morning.

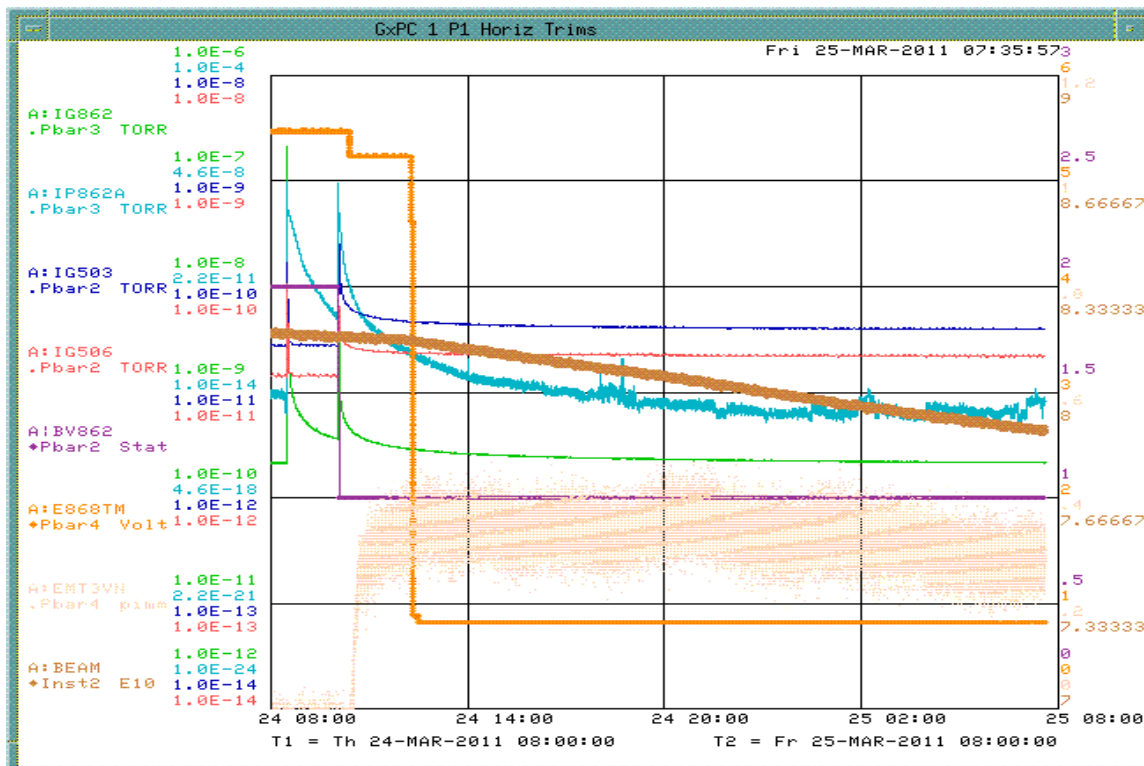
## Target Station

- Software development in progress for our new chilled water isolation valve control
- Will do a low pressure gas test on circuit #1 today to determine if we need to make another application of the leak sealant.
- Water skid brought into service next week

## Access

- Will access the Pbar Rings first thing Monday Morning
- Will be prepared to resume stacking when needed next week.

## Plots



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PI P12 TARGET PARAMETERS<NoSets>
P12 Dump Water Makeup System SET D/A A/D Com-U ♦PTools♦
-<FTP>+ *SA♦ X-A/D X=TIME Y=R: BEAM ,R: LEMITA,R: EMVANM,R: BYC00S
COMMAND ---- Eng-U I= 0 I= 0 , 40 , 0 , 0
-< 2>+ One+ AUTO F= 1800 F= 400 , 120 , 8 , 4
air target lens lens pmag DUMP misc
! The following device must be OK in order for the
! beam dump makeup water isolation valves 1 and 2
! to be operable
D:BSA700 Dump Valve Gas Pressure 85.98 PSIG

! To make up water to the beam dump system observe
D:LN24VA Dump Makeup Pressure * 33.97 PSIG
! before opening D:DPMV1

! Open D:DPMV1 and observe D:LN24VA pressure rise
! to nominal LCW header pressure
D:DPWV1 Dump Water Makeup V1 0 *
D:LN24VA Dump Makeup Pressure * 33.97 PSIG

! Then open D:DPMV2 and observe D:DPHP1 increase
D:DPWV2 Dump Water Makeup V2 0 *
D:DPHP1 Dump Wtr Reservoir Press * 1.673 psi

! When D:DPHP1 reaches desired pressure shut
! D:DPWV1
D:DPWV1 Dump Water Makeup V1 0 *

! Observe D:DPHP1 = D:LN24VA
D:DPHP1 Dump Wtr Reservoir Press * 1.673 psi
D:LN24VA Dump Makeup Pressure * 33.97 PSIG

! Then shut D:DPMV2
D:DPWV2 Dump Water Makeup V2 0 *

! Ensure that D:DPHP1 remains stable-does not rise
D:DPHP1 Dump Wtr Reservoir Press * 1.673 psi

D:DPWV1 Dump Water Makeup V1 0 *
D:DPWV2 Dump Water Makeup V2 0 *
D:DPWV3 Dump Chilled Water V3 0 *

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Dump water make-up system

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P12 Chill Water Isolation System SET D/A A/D Com-U PTools
-<FTP>+ *SA X-A/D X=TIME Y=R:BEAM ,R:LEMITA,R:EMVANM,R:BYCOOS
COMMAND ---- Eng-U I= 0 I= 0 , 40 , 0 , 0
-< 3>+ One+ AUTO F= 1800 F= 400 , 120 , 8 , 4
air target lens lens pmag DUMP misc
!The following device must OK in order for the
!chill water isolation sytem to actually work
D:BSA700 Dump Valve Gas Pressure 86.23 PSIG

! The system should maintain beam dump water
! supply temperatures at greater than 30 C
D:DPTC8 Dump Cooling Supply #1 * 21.4 C
D:DPTC9 Dump Cooling Supply #2 * 21.23 C

! Beam dump water return temperatures
D:DPTC10 Dump Cooling Return #1 * 21.28 C
D:DPTC11 Dump Cooling Return #2 * 20.81 C

! Target and Beam dump power
D:TGTPWR Pbar Prdctn Target Power 0 KW
D:DUMPKW Beamabsorber cooling pwr -.004 KW

! Beam dump chill water isolation valve
! red * = Open, Green . = Closed
D:DPWV3 Dump Chilled Water V3 0 *
-D:DPCWCN DumpCWvalve open/0 not/1 0 0

! Program switches status of D:DPCWCN for logging
-D:DPCWCN DumpCWvalve open/0 not/1 0 0

! CW ACL script runtime in mintes
-D:DPCWCT DumpCWACL script minutes 62 62

! To kill DUMP CW ACL script, set D:DPCWKL > 0
-D:DPCWKL DumpCW ACL script kill>0 1 1
!CW valve opens when script is killed

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Chilled Water Isolation System